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Probing Neutrino Mixing with Non-Accelerator Experiments

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Neutrino mass and mixing are amongst the major discoveries of recent years and demand that we make the first significant revision of the Standard Model in decades. From the first observation of the free antineutrino to the discovery of neutrino oscillations with atmospheric, solar, and reactor neutrinos, non-accelerator experiments have played an essential role in the history of neutrino physics. They continue to provide some of the best measurements of neutrino oscillation parameters and are used as astrophysical probes. We will review the results of recent experiments and describe how the next-generation of non-accelerator experiments will search for the unknown mixing angle θ_{13} and provide precision tests of neutrino mixing.